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(54) ELECTRICALLY CONDUCTIVE COATING MATERIAL

(57)Abstract:

PURPOSE: An electrically conductive coating material, prepared by incorporating an electrically conductive material powder and an antistatic agent in a specific proportion in an organic binder, capable of improving the dispersion stability of the electrically conductive material powder and preventing the flocculation and improving the deterioration in the electric conductivity during the storage thereof.

CONSTITUTION: 1W10pts.wt. electrically conductive material powder, e.g. a metallic powder such as silver or aluminum powder, metallic powder prepared by coating the surface of a pigment, glass beads, etc. with a metal, e.g. silver or copper, or a carbonaceous material powder, e.g. graphite, is mixed and dispersed in 100pts.wt. (solid content) organic binder, e.g. an alkyd resin or acrylic resin. A pigment may be simultaneously mixed and dispersed therein if necessary. 0.1W10pts.wt. antistatic agent is then mixed and dispersed in the resultant dispersion to give the aimed coating material.

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